

Date: Sat, 23 Apr 94 04:30:06 PDT  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #447  
To: Info-Hams

Info-Hams Digest Sat, 23 Apr 94 Volume 94 : Issue 447

## Today's Topics:

amcomm s225 and yeasu ft23  
ICOM 720 SERVICE MANUAL NEEDED  
Illinois Scan Ban Proposed  
Mac HyperTerm <> Ham TX/RX  
Missing: Good HF Propagation

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available (by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text herein consists of personal comments and does not represent the official policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 19 Apr 1994 11:02:44 -0400  
From: ihnp4.ucsd.edu!dog.ee.lbl.gov!agate!howland.reston.ans.net!math.ohio-state.edu!news.acns.nwu.edu!ftpbox!mothost!lmpsbb5!NewsWatcher!  
user@network.ucsd.edu  
Subject: amcomm s225 and yeasu ft23  
To: info-hams@ucsd.edu

In article <kthompson.57.000D9A2B@WichitaKS.NCR.COM>, kthompson@WichitaKS.NCR.COM (Ken Thompson) wrote:

> First a question about the amcomm s225.  
> This is a mobile unit from the mid-'70s.  
> Recv seems ok but the TX is off by +2.8kHz.  
> I have the schematics but it is an unusual design.  
> Anyone have any experience with this model or  
> willing to make some suggestions if I send a copy of the schematic?

And I thought I had the only remaining S2-25! The transmit frequency can

be adjusted by removing the top and bottom covers and adjusting the large piston trimmer capacitor mounted vertically on the bottom PC board. Two notes of caution are in order: First, you MUST use an insulated or non-metallic tuning tool for this adjustment. Second, this adjustment is also temperature sensitive, so do not leave the covers off very long before you make the required adjustment.

As an alternative, since you know you are 2.8 kHz high right now, remove the covers and power up the radio for at least one hour on the bench. Pick any channel and measure the transmit frequency as it sits, running into a dummy load of course. Then adjust the trimmer to lower the frequency by 2.8 kHz and button everything back up. I ended up drilling a small hole in the cover so I could tweak the frequency without removing the housing.

This rig uses a novel synthesizer operating on the receiver injection frequency and a heterodyne exciter to put the transmitter on the proper operating frequency. There are no easy mods for out-of-band, but it does have entire 144-148 band coverage in 5 kHz steps, which was FAR ahead of its time. The receiver is quite good for local packet, and it will receive 9600 baud without modification since it uses fairly wide filters. The CA3089

limiter/detector IC (now obsolete) should NOT be replaced with the CA3189 substitute if you are running 9600. I took the top of the volume control out

on the 6-pin DTMF encoder socket to provide a separate packet TNC connector.

>  
> Second I would like to investigate a noise problem on transmitted audio from  
> the ft-23 while using an external mike. Does anyone have a service manual  
> and/or schematic of which they would be willing to send copies?  
>  
> Ken.

If I remember correctly, this unit does NOT mute its internal microphone when the external mic is plugged in. The only cure in this situation is to cover the internal microphone or disconnect it completely from the circuit. If you put the HT in your pocket, the noise of the fabric rubbing across the grille will drive listeners batty; if you use a leather belt case in a noisy area, the radio picks up the local noise on the internal (open) microphone and seriously degrades your audio. Good Luck

--  
Karl Beckman, P.E. < STUPIDITY is an elemental force for which >  
Motorola Comm - Fixed Data < no earthquake is a match. -- Karl Kraus >

The statements and opinions expressed here are not those of Motorola Inc. Motorola paid a marketing firm a huge sum of money to get their opinions;

they have made it clear that they do not wish to share those of employees.

Amateur radio WA8NVW @ K8MR.NEOH.USA.NA

NavyMARS VBH @ NOGBN.NOASI

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Date: 21 Apr 1994 15:34:33 GMT

From: ihnp4.ucsd.edu!swrinde!cs.utexas.edu!utnut!torn!news.unb.ca!nbt.nbnet.nb.ca!  
ve1fc.nbnet.nb.ca!ve1fc@network.ucsd.edu

Subject: ICOM 720 SERVICE MANUAL NEEDED

To: info-hams@ucsd.edu

Need an ICOM 720 A service manual in the worst way ...

I have a radio, which is in very bad condition and need the service manual  
to get it up and running.

Appreciate any replys.

by the way ICOM America does not have one, so they say....

RGDS & TNX

Graham

ve1fc@nbnet.nb.ca

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Date: Tue, 19 Apr 94 18:43:37 -0600

From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!math.ohio-state.edu!  
news.acns.nwu.edu!news.eecs.nwu.edu!fidogate.nuars.nwu.edu!nwugate.fidonet.org!  
f747.n115.z1.fidonet.org!Jerry.Smith@network.

Subject: Illinois Scan Ban Proposed

To: info-hams@ucsd.edu

Here is a couple of key addresses to voice your opposition to Illinois  
House Bill 4180, the proposed banning of DC powered scanning equipment.  
Tom Cross is the Representative proposing this bill.

Illinois Rep. Tom Cross  
541 Countryside Shopping Center  
Yorkville, IL 60560

2138 -0 Stratton Building  
Springfield, IL 62706

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Illinois Govonor Jim Edgar  
State Capitol  
Springfield, IL 62706  
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Representatives for your district may be found by calling your local public library.

\* \* NON-RESIDENTS OF ILLINOIS...Your input is just as important. If this law is passed, this may give YOUR representatives to propose laws similiar to this in your state. Please send your letters to the above two individuals.

Jerry

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Date: Thu, 21 Apr 1994 15:12:03 GMT  
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!demon!news@network.ucsd.edu  
Subject: Mac HyperTerm <> Ham TX/RX  
To: info-hams@ucsd.edu

Hello All,

I have an interest in amateur (Ham) radio. As such I have been using HyperTerm to create a HyperCard stack which will allow me to control a Shortwave transmitter via it's RS232 interface.

In order to turn off several of the transmitter's functions I need to be able to send the "NULL", character (\$00) from HyperTerm to the transmitter. I cannot seem to be able to get HyperTerm to do this.

Anyone any ideas ?

Regards, Sean.

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Date: Thu, 21 Apr 1994 14:42:07 GMT  
From: ihnp4.ucsd.edu!usc!cs.utexas.edu!utnut!utcsri!newsflash.concordia.ca!  
canopus.cc.umanitoba.ca!tribune.usask.ca!kakwa.ucs.ualberta.ca!gov.nt.ca!  
ve8ev@network.ucsd.edu  
Subject: Missing: Good HF Propagation  
To: info-hams@ucsd.edu

MISSING PROPOGATION FOUND!

HF propogation reappeared over the last two days.  
Was last seen moving over the North Pole and down the west coast

and into the South Pacific. Grab it while it lasts!

de VE8EV

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End of Info-Hams Digest V94 #447

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